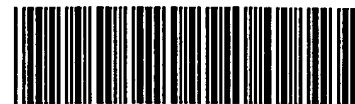


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/758,397A
Source: FW16
Date Processed by STIC: 9/21/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:38

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

5 <110> APPLICANT: Cohen-Vered, et al., Sharon
 9 <120> TITLE OF INVENTION: PARENTERAL FORMULATIONS OF PEPTIDES FOR THE TREATMENT OF
 SYSTEMIC LUPUS

10 ERYTHEMATOSUS

14 <130> FILE REFERENCE: 2609/68811-A

18 <140> CURRENT APPLICATION NUMBER: 10/758,397A

20 <141> CURRENT FILING DATE: 2004-01-14

24 <160> NUMBER OF SEQ ID NOS: 18

28 <170> SOFTWARE: PatentIn version 3.1

32 <210> SEQ ID NO: 1

34 <211> LENGTH: 20

36 <212> TYPE: PRT

38 <213> ORGANISM: Artificial Sequence

42 <220> FEATURE:

44 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody

46 <400> SEQUENCE: 1

48 Thr Gly Tyr Tyr Met Gln Trp Val Lys Gln Ser Pro Glu Lys Ser Leu

49 1 5 10 15

52 Glu Trp Ile Gly

53 20

56 <210> SEQ ID NO: 2

58 <211> LENGTH: 20

60 <212> TYPE: PRT

62 <213> ORGANISM: Artificial Sequence

66 <220> FEATURE:

68 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody

70 <400> SEQUENCE: 2

72 Glu Ile Asn Pro Ser Thr Gly Gly Thr Thr Tyr Asn Gln Lys Phe Lys

73 1 5 10 15

76 Ala Lys Ala Thr

77 20

80 <210> SEQ ID NO: 3

82 <211> LENGTH: 20

84 <212> TYPE: PRT

86 <213> ORGANISM: Artificial Sequence

90 <220> FEATURE:

92 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody

94 <400> SEQUENCE: 3

96 Tyr Tyr Cys Ala Arg Phe Leu Trp Glu Pro Tyr Ala Met Asp Tyr Trp

97 1 5 10 15

100 Gly Gln Gly Ser

101 20

104 <210> SEQ ID NO: 4

106 <211> LENGTH: 19

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:38

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

```

108 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
116 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
118 <400> SEQUENCE: 4
120 Gly Tyr Asn Met Asn Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu
121 1           5           10           15
124 Trp Ile Gly
128 <210> SEQ ID NO: 5
130 <211> LENGTH: 17
132 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
142 <400> SEQUENCE: 5
144 Tyr Tyr Cys Ala Arg Ser Gly Arg Tyr Gly Asn Tyr Trp Gly Gln Thr
145 1           5           10           15
148 Leu
152 <210> SEQ ID NO: 6
154 <211> LENGTH: 19
156 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
164 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
166 <400> SEQUENCE: 6
168 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Glu Glu
169 1           5           10           15
172 Trp Ile Gly
176 <210> SEQ ID NO: 7
178 <211> LENGTH: 22
180 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
188 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
190 <400> SEQUENCE: 7
192 Tyr Tyr Cys Ala Arg Gly Leu Leu Arg Gly Gly Trp Asn Asp Val Asp
193 1           5           10           15
196 Tyr Tyr Gly Met Asp Val
197           20
200 <210> SEQ ID NO: 8
202 <211> LENGTH: 7
204 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
214 <400> SEQUENCE: 8
216 Phe Ser Gly Tyr Tyr Trp Ser
217 1           5
220 <210> SEQ ID NO: 9

```

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:38

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

```

222 <211> LENGTH: 16
224 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
234 <400> SEQUENCE: 9
236 Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Lys Thr Ser Leu Lys Ser
237 1             5             10             15
240 <210> SEQ ID NO: 10
242 <211> LENGTH: 18
244 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
254 <400> SEQUENCE: 10
256 Gly Leu Leu Arg Gly Gly Trp Asn Asp Val Asp Tyr Tyr Tyr Gly Met
257 1             5             10             15
260 Asp Val
264 <210> SEQ ID NO: 11
266 <211> LENGTH: 20
268 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
276 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
278 <220> FEATURE:
280 <221> NAME/KEY: MISC_FEATURE
282 <222> LOCATION: (5)..(5)
284 <223> OTHER INFORMATION: X= Met, Ala or Val
288 <220> FEATURE:
290 <221> NAME/KEY: MISC_FEATURE
292 <222> LOCATION: (6)..(6)
294 <223> OTHER INFORMATION: X= Gln, Asp, Glu or Arg
298 <220> FEATURE:
300 <221> NAME/KEY: MISC_FEATURE
302 <222> LOCATION: (7)..(7)
304 <223> OTHER INFORMATION: X= Trp or Ala
308 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
312 <222> LOCATION: (8)..(8)
314 <223> OTHER INFORMATION: X= Val or Ser
318 <220> FEATURE:
320 <221> NAME/KEY: MISC_FEATURE
322 <222> LOCATION: (9)..(9)
324 <223> OTHER INFORMATION: X= Lys, Glu or Ala
328 <400> SEQUENCE: 11
W--> 330 Thr Gly Tyr Tyr Xaa Xaa Xaa Xaa Xaa Gln Ser Pro Glu Lys Ser Leu
331 1             5             10             15
334 Glu Trp Ile Gly
335             20

```

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:38

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

```

338 <210> SEQ ID NO: 12
340 <211> LENGTH: 20
342 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
350 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
352 <220> FEATURE:
354 <221> NAME/KEY: MISC_FEATURE
356 <222> LOCATION: (9)..(9)
358 <223> OTHER INFORMATION: X= Thr, Val or Ala
362 <220> FEATURE:
364 <221> NAME/KEY: MISC_FEATURE
366 <222> LOCATION: (10)..(10)
368 <223> OTHER INFORMATION: X= Thr, Val or Ala
372 <220> FEATURE:
374 <221> NAME/KEY: MISC_FEATURE
376 <222> LOCATION: (11)..(11)
378 <223> OTHER INFORMATION: X= Tyr or Phe
382 <220> FEATURE:
384 <221> NAME/KEY: MISC_FEATURE
386 <222> LOCATION: (12)..(12)
388 <223> OTHER INFORMATION: X= Asn or Asp
392 <220> FEATURE:
394 <221> NAME/KEY: MISC_FEATURE
396 <222> LOCATION: (13)..(13)
398 <223> OTHER INFORMATION: X =Gln or Glu
402 <220> FEATURE:
404 <221> NAME/KEY: MISC_FEATURE
406 <222> LOCATION: (14)..(14)
408 <223> OTHER INFORMATION: X= Lys or Glu
412 <220> FEATURE:
414 <221> NAME/KEY: MISC_FEATURE
416 <222> LOCATION: (15)..(15)
418 <223> OTHER INFORMATION: X= Phe or Tyr
422 <400> SEQUENCE: 12
W--> 424 Glu Ile Asn Pro Ser Thr Gly Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys
      425 1                5                10                15
      428 Ala Lys Ala Thr
      429                20
432 <210> SEQ ID NO: 13
434 <211> LENGTH: 20
436 <212> TYPE: PRT
438 <213> ORGANISM: Artificial Sequence
442 <220> FEATURE:
444 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
446 <220> FEATURE:
448 <221> NAME/KEY: MISC_FEATURE
450 <222> LOCATION: (6)..(6)
452 <223> OTHER INFORMATION: X= Phe, Thr or Gly

```

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:38

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

```

456 <220> FEATURE:
458 <221> NAME/KEY: MISC_FEATURE
460 <222> LOCATION: (7)..(7)
462 <223> OTHER INFORMATION: X= Leu, Ala or Ser
466 <220> FEATURE:
468 <221> NAME/KEY: MISC_FEATURE
470 <222> LOCATION: (8)..(8)
472 <223> OTHER INFORMATION: X= Trp or Ala
476 <220> FEATURE:
478 <221> NAME/KEY: MISC_FEATURE
480 <222> LOCATION: (9)..(9)
482 <223> OTHER INFORMATION: X= Glu or Lys
486 <220> FEATURE:
488 <221> NAME/KEY: MISC_FEATURE
490 <222> LOCATION: (13)..(13)
492 <223> OTHER INFORMATION: X= Met or Ala
496 <220> FEATURE:
498 <221> NAME/KEY: MISC_FEATURE
500 <222> LOCATION: (14)..(14)
502 <223> OTHER INFORMATION: X= Asp, Lys or Ser
506 <400> SEQUENCE: 13
W--> 508 Tyr Tyr Cys Ala Arg Xaa Xaa Xaa Xaa Pro Tyr Ala Xaa Xaa Tyr Trp
509 1 5 10 15
512 Gly Gln Gly Ser
513 20
516 <210> SEQ ID NO: 14
518 <211> LENGTH: 19
520 <212> TYPE: PRT
522 <213> ORGANISM: Artificial Sequence
526 <220> FEATURE:
528 <223> OTHER INFORMATION: Synthetic peptide based on CDR of mouse autoantibody
530 <220> FEATURE:
532 <221> NAME/KEY: MISC_FEATURE
534 <222> LOCATION: (4)..(4)
536 <223> OTHER INFORMATION: X= Met or Ala
540 <220> FEATURE:
542 <221> NAME/KEY: MISC_FEATURE
544 <222> LOCATION: (5)..(5)
546 <223> OTHER INFORMATION: X= Asn, Asp or Arg
550 <220> FEATURE:
552 <221> NAME/KEY: MISC_FEATURE
554 <222> LOCATION: (6)..(6)
556 <223> OTHER INFORMATION: X= Trp or Ala
560 <220> FEATURE:
562 <221> NAME/KEY: MISC_FEATURE
564 <222> LOCATION: (7)..(7)
566 <223> OTHER INFORMATION: X= Val or Ser
570 <220> FEATURE:
572 <221> NAME/KEY: MISC_FEATURE

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/758,397A

DATE: 09/21/2005
TIME: 10:53:39

Input Set : A:\PTO.RJ.txt
Output Set: N:\CRF4\09212005\J758397A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 5,6,7,8,9
Seq#:12; Xaa Pos. 9,10,11,12,13,14,15
Seq#:13; Xaa Pos. 6,7,8,9,13,14
Seq#:14; Xaa Pos. 4,5,6,7,8,9,13,14
Seq#:15; Xaa Pos. 6,7,8,11,12,13
Seq#:16; Xaa Pos. 1,8,10,12,13,15
Seq#:17; Xaa Pos. 6,9,10,11,12,13,18,20

VERIFICATION SUMMARY

DATE: 09/21/2005

PATENT APPLICATION: US/10/758,397A

TIME: 10:53:39

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\09212005\J758397A.raw

L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17